

# PROGRAMMABLE AMPLIFIERS

## SELECTIVE PROGRAMMABLE RF CONVERTER

### EVO PRO Series

Programmable converter that allows filtering, converting and amplifying up to 32 digital signals from the terrestrial band.

#### APPLICATION

Distribution of RF band signals for individual and collective installations.

#### FEATURES

- 4 VHF/UHF band inputs. 1 FM input.
- The 300 model incorporates 1st IF SAT amplification, with input polarity selection.
- Up to 32 VHF and UHF channel filters, with the possibility of conversion to another output channel.
- Automatic search of the channels present in each VHF/ UHF input, adding them to the channel list.
- Automatic level detection of VHF/UHF input signals.
- CAG with wide dynamic range at the input.
- Programmable VHF/UHF internal pre-amplifier.
- Activation of power supply to pre-amplifiers.
- High selectivity (>65dB) and rejection to adjacent channels.
- High rejection SAW filters for LTE bands (4G / 5G).
- Automatic band selection for each input, according to the channel configuration (model 100).
- In the PRO 100 D2 model, each input is assigned to a specific band, to optimize its operation.
- Programming via keypad or Android application.



headends



Supply voltage	V	100 ÷ 240
Consumption	W	10
Operating temperature range	°C	-10 ÷ 50

MODEL	EVO PRO 100		EVO PRO 100 D2			EVO PRO 300			
Reference	35570		35540			35590			
Frequency bands	FM	VHF/UHF	FM	VHF	UHF	FM	VHF	UHF	SAT
Multiplex number	1	4	1	1	3	1	1	2	1
Band	MHz	VHF: 174÷240 UHF: 470÷862 UHF: 470÷790 UHF: 470÷694	88÷108	174÷230	470÷694	88÷108	174÷230	470÷694	950÷2150
Operational input level	dBµV	<78	<78	<108		<78	<108		68÷88
Number of filters	-	32 programmable	-	32 programmable		-	32 programmable		-
Return losses	dB	>10							
Digital output level	dBµV	-	93 ÷ 115	-	93 ÷ 115	-	89 ÷ 109	-	-
Test output level	dB	-30		-30			-		
Gain	dB	5/35	CAG	5/35	CAG	5/35	CAG	25 ÷ 45	
Tilt	dB	0 ÷ 9		0 ÷ 9			0 ÷ 9		8
Output MER	dB	-	35 (for MER input >38 dB)	-	35 (for MER input >38 dB)	-	35 (for MER input >38 dB)	-	
DC current Pass		NO	12V / 100mA	NO	12V / 100mA	NO	12V / 100mA	13V-17V 0-22KHz 150mA	
Packing dimensions	mm	230 x 218 x 54							
Weight	Kg	1.04							